Form PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 678-1109	SERIAL NO. 10/681,937
	INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	APPLICANT Chan-Soo HWANG et al.	
		FILING DATE October 9, 2003	GROUP ART UNIT 2611

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES	NO
		WO02080375	October 10, 2002	PCT			X	

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

		1.	Sharma et al., IMPROVED QUASI-ORTHOGONAL CODES THROUGH CONSTELLATION ROTATION, May 13, 2002
		2.	Tirkkonan et al., MINIMAL NON-ORTHOGONALITY RATE 1 SPACE-TIME BLOCK CODE FOR 3+ TX ANTENNAS, September 6, 2000
		3.	Tirkkonan et al., IMPROVED MIMO PERFORMANCE WITH NON-ORTHOGONAL SPACE-TIME BLOCK CODES, November 25, 2001
		4.	Shao et al., A RATE-ONE NON-ORTHOGONAL SPACE-TIME CODED OFDM SYSTEM WITH ESTIMATION FOR FREQUENCY SELECTIVE CHANNELS, November 17, 2002
		5.	Uysal et al., NEW SPACE-TIME BLOCK CODES FOR HIGH THROUGHPUT EFFICIENCY, November 25, 2001
		6.	Niida et al., ADAPTIVE MODULATION USING SPACE-TIME BLOCK CODE MATRIX, February 27, 2002
		7.	Tirkkonen, OPTIMIZING SPACE-TIME BLOCK CODES BY CONSTELLATION ROTATIONS, 2001

EXAMINER	DATE CONSIDERED

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw citation if not in conformance and not considered. Include copy of this form with next communication to ap

(Form PTO-1449 [6-4])